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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/506,407	02/17/2000	Masumi Senoo	10991381-1	7749

22879 7590 10/22/2003

HEWLETT PACKARD COMPANY
P O BOX 272400, 3404 E. HARMONY ROAD
INTELLECTUAL PROPERTY ADMINISTRATION
FORT COLLINS, CO 80527-2400

EXAMINER

EBRAHIMI DEHKORDY, SAEID

ART UNIT	PAPER NUMBER
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2626

DATE MAILED: 10/22/2003

3

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/506,407

Applicant(s)

SENOO ET AL.

Examiner

Saeid Ebrahimi-dehKordy

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: .

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Hanson (U.S. patent 6,148,346)

Regarding claim 1 Hanson discloses: A method of configuring a printer, the method comprising: creating a printer menu structure (please note Figs.3-8 and specifically Figs.6A to 6D, column 5 lines 13-60) and installing the printer menu structure on the printer (please note column 7 lines 30-34) wherein the printer menu structure is installed on an erasable storage device in the printer (please note column 8 lines 34-39).

Regarding claim 2 Hanson discloses: A method as recited in claim 1 wherein installing the printer menu structure replaces any menu structure previously installed on the printer (please note column 8 lines 29-44).

Regarding claim 3 Hanson discloses: A method as recited in claim 1 wherein installing the printer menu structure extends any menu structure previously installed on the printer (please note Fig.8E, column 6 lines 45-53).

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Regarding claims 4 and 18 Hanson discloses: A method as recited in claim 1 further comprising simulating operation of the printer menu structure prior to installing the printer menu structure on the printer (please note column 8 lines 16-23).

Regarding claims 5 and 19 Hanson discloses: A method as recited in claim 1 wherein creating a printer menu structure includes creating a hierarchy of menu elements (please note column 3 lines 49-55).

Regarding claims 6 and 20 Hanson discloses: A method as recited in claim 5 wherein each menu element has an associated menu element type and an associated action (please note column 6 lines 63-66).

Regarding claim 7 Hanson discloses: A method as recited in claim 1 wherein creating a printer menu structure includes associating an icon with at least one menu element in the printer menu structure (please note column 5 lines 61-63).

Regarding claim 8 Hanson discloses: A method as recited in claim 1 wherein the method is performed by an end-user of the printer (please note column 6 lines 12-15).

Regarding claim 9 Hanson discloses: A method as recited in claim 1 wherein creating a printer menu structure includes determining the arrangement of a plurality of menu elements on a printer display panel (please note column 6 lines 10-18).

Regarding claim 10 Hanson discloses: A computer-readable memory containing a computer program that is executable by a processor to perform the method recited in claim 1 (please note column 9 lines 5-10).

Regarding claim 11 Hanson discloses: A printer comprising:

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a display panel to display a plurality of menu elements (please note column 5 lines 12-22) a user interface coupled to the display panel to allow a user to select among the plurality of menu elements (please note column 6 lines 10-24)

a data communication interface coupled to the display panel to allow the printer to receive a printer menu structure from a remote device (please note column 8 lines 16-40).

Regarding claim 12 Hanson discloses: An apparatus as recited in claim 11 wherein the data communication interface is a network interface (please note Fig. 1 column 4 lines 12-19).

Regarding claim 13 Hanson discloses: An apparatus as recited in claim 11 wherein the printer is a laser printer (please note column 5 lines 12-21).

Regarding claim 14 Hanson discloses: An apparatus as recited in claim 11 wherein the user interface is a touch-sensitive screen positioned proximate the display panel (please note column 5 lines 44-54).

Regarding claim 15 Hanson discloses: An apparatus as recited in claim 11 further comprising a memory device coupled to the data communication interface to store a printer menu structure received from the remote device (please note column 8 lines 30-40).

Regarding claim 16 Hanson discloses: One or more computer-readable media having stored thereon a computer program comprising the following steps: creating a printer menu structure (please note Figs. 3-8 and specifically Figs. 6A to 6D, column 5 lines 13-60) and installing the printer menu structure on a printer (please note column 7

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lines 30-34) wherein the printer menu structure is installed on an erasable storage device in the printer (please note column 8 lines 34-39).

Regarding claim 17 Hanson discloses: One or more computer-readable media as recited in claim 16 wherein installing the printer menu structure replaces any menu structure previously installed on the printer (please note column 8 lines 21-44).

Other prior art cited

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hastings et al (U.S. Patent 5,967,675) is pertinent as disclosing a printing apparatus.

Gunning et al (U.S. patent 6,094,548) is pertinent as disclosing a method for dynamically synchronizing configuration information between a printer and an attached accessory.

Contact Information

- Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Saeid Ebrahimi-Dehkordy* whose telephone number is (703) 306-3487.

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The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 5:30 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams, can be reached at (703) 305-4863.

Any response to this action should be mailed to:

Assistant Commissioner for Patents
Washington, D.C. 20231

Or faxed to:

(703) 872-9306, or (703) 308-9052 (for **formal** communications; please mark
"EXPEDITED PROCEDURE")


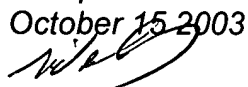
Or:

(703) 306-5406 (for **informal** or **draft** communications, please label
"PROPOSED" or "DRAFT")

Hand delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 305-4750.

Saeid Ebrahimi-Dehkordy
Patent Examiner
Group Art Unit 2626
October 15 2003



KIMBERLY WILLIAMS
SUPERVISORY PATENT EXAMINER